

scan only

(18)



Europäisches Patentamt

European Patent Office

Office européen des brevets

(11) Publication number:

**0 205 242**

**A2**

(12)

**EUROPEAN PATENT APPLICATION**

(21) Application number: 86303004.5

(51) Int. Cl.<sup>4</sup>: **D 04 H 1/56**

(22) Date of filing: 21.04.86

(30) Priority: 14.05.85 GB 8512206

(43) Date of publication of application:  
17.12.86 Bulletin 86/51

(84) Designated Contracting States:  
AT BE CH DE FR GB IT LI NL

(71) Applicant: **KIMBERLY-CLARK CORPORATION**  
401 North Lake Street  
Neenah Wisconsin 54956(US)

(72) Inventor: **Storey, Dennis G.**  
1A Landway Bearsted  
Maidstone Kent ME14 4BD(GB)

(72) Inventor: **Maddern, Peter**  
1 Baywell Laybourne  
Maidstone Kent(GB)

(74) Representative: **Allen, Oliver John Richard et al,**  
Lloyd Wise, Tregear & Co. Norman House 105-109 Strand  
London, WC2R 0AE(GB)

(54) Non-woven laminate material.

(57) Non-woven material useful for example for disposable wipers and the like which comprises a layer of meltblown polymeric microfibrils inter-mixed with fibres of absorbent material and/or absorbent or super-absorbent particles, the absorbent fibres and/or particles being inter-connected by and held captive within the polymeric microfibrils matrix of fibres by mechanical entanglement and interconnection of the microfibrils/absorbent fibres, (when present), and at least one layer of meltblown polymeric microfibrils, the layers being bonded together ultrasonically or by the application of heat or heat and pressure to cause the microfibrils in one layer to bond to the microfibrils in an adjacent layer so as to produce fuse bonds extending through the material.

Such material can readily absorb fluids including oil, and can subsequently be squeezed out readily. The material also has an integral strength and a substantially lint free wiping surface.

**EP 0 205 242 A2**